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Reviewer: markspencer

Timestamp: [year=2008; month=7; day=28; hr=13; min=50; sec=5; ms=426; ]

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Application No: 10718986 Version No: 2.0

Input Set:

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Finished: 2008-07-25 21:55:55.587  
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Total Warnings: 1  
Total Errors: 0  
No. of SeqIDs Defined: 12  
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<110> Yu, Mang  
Fang, Fang

<120> Broad Spectrum Anti-Viral Therapeutics  
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<130> 21865-002001/6502

<140> 10718986

<141> 2003-11-21

<150> US 60/428,535

<151> 2002-11-12

<150> US 60/464,217

<151> 2003-04-19

<160> 12

<170> FastSEQ for Windows Version 4.0

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<212> PRT

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<212> PRT

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<212> PRT

<213> Homo sapiens

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<210> 5

<211> 34

<212> PRT

<213> Homo sapiens

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<212> PRT

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<210> 7

<211> 21

<212> PRT

<213> Homo sapiens

<400> 7

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<212> PRT  
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 <212> PRT  
 <213> Homo sapiens

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 35 40 45  
 Thr Pro Glu Ala Val Gln Ile Ala Thr Gly Arg Asn Ala Ala Arg Leu  
 50 55 60  
 Cys Cys Val Ala Ser Arg Asp Ala Gly Leu Ser Trp Gly Ser Ala Arg  
 65 70 75 80  
 Asp Leu Thr Glu Glu Ala Ile Gly Gly Ala Val Gln Asp Trp Ala Thr  
 85 90 95  
 Phe Ala Val Gly Pro Gly His Gly Val Gln Leu Pro Ser Gly Arg Leu  
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 115 120 125  
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 130 135 140  
 His Gly Arg Thr Trp Arg Cys Gly Gly Leu Val Pro Asn Leu Arg Ser  
 145 150 155 160  
 Gly Glu Cys Gln Leu Ala Ala Val Asp Gly Gly Gln Ala Gly Ser Phe  
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 Leu Tyr Cys Asn Ala Arg Ser Pro Leu Gly Ser Arg Val Gln Ala Leu  
 180 185 190  
 Ser Thr Asp Glu Gly Thr Ser Phe Leu Pro Ala Glu Arg Val Ala Ser  
 195 200 205  
 Leu Pro Glu Thr Ala Trp Gly Cys Gln Gly Ser Ile Val Gly Phe Pro  
 210 215 220  
 Ala Pro Ala Pro Asn Arg Pro Arg Asp Asp Ser Trp Ser Val Gly Pro  
 225 230 235 240  
 Arg Ser Pro Leu Gln Pro Pro Leu Leu Gly Pro Gly Val His Glu Pro  
 245 250 255  
 Pro Glu Glu Ala Ala Val Asp Pro Arg Gly Gly Gln Val Pro Gly Gly  
 260 265 270  
 Pro Phe Ser Arg Leu Gln Pro Arg Gly Asp Gly Pro Arg Gln Pro Gly  
 275 280 285  
 Pro Arg Pro Gly Val Ser Gly Asp Val Gly Ser Trp Thr Leu Ala Leu  
 290 295 300  
 Pro Met Pro Phe Ala Ala Pro Pro Gln Ser Pro Thr Trp Leu Leu Tyr  
 305 310 315 320  
 Ser His Pro Val Gly Arg Arg Ala Arg Leu His Met Gly Ile Arg Leu  
 325 330 335  
 Ser Gln Ser Pro Leu Asp Pro Arg Ser Trp Thr Glu Pro Trp Val Ile  
 340 345 350  
 Tyr Glu Gly Pro Ser Gly Tyr Ser Asp Leu Ala Ser Ile Gly Pro Ala  
 355 360 365  
 Pro Glu Gly Gly Leu Val Phe Ala Cys Leu Tyr Glu Ser Gly Ala Arg  
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 Thr Ser Tyr Asp Glu Ile Ser Phe Cys Thr Phe Ser Leu Arg Glu Val  
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410

415

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<212> PRT  
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<211> 2742  
<212> DNA  
<213> *Actinomyces viscosus*

<220>  
<223> nanH gene for sialidase

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<211> 913

<212> PRT

<213> *Actinomyces viscosus*

<220>

<223> nanH sialidase

<400> 12

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Gln Val Asn Ala Pro Ala Asp Gly Leu Tyr Ser Val Gly Asp Val Met
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Thr Phe Asn Ile Thr Leu Thr Asn Thr Ser Gly Glu Ala His Ser Tyr
65          70          75          80
Ala Pro Ala Ser Thr Asn Leu Ser Gly Asn Val Ser Lys Cys Arg Trp
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Arg Asn Val Pro Ala Gly Thr Thr Lys Thr Asp Cys Thr Gly Leu Ala
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Thr His Thr Val Thr Ala Glu Asp Leu Lys Ala Gly Gly Phe Thr Pro
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Gln Ile Ala Tyr Glu Val Lys Ala Val Glu Tyr Ala Gly Lys Ala Leu
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Ser Leu Arg Val Glu Ser Ile Thr Pro Ser Ser Ser Gln Glu Asn Tyr
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Lys Leu Gly Asp Thr Val Ser Tyr Thr Val Arg Val Arg Ser Val Ser
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Asp Lys Thr Ile Asn Val Ala Ala Thr Glu Ser Ser Phe Asp Asp Leu
          195          200          205
Gly Arg Gln Cys His Trp Gly Gly Leu Lys Pro Gly Lys Gly Ala Val
210          215          220
Tyr Asn Cys Lys Pro Leu Thr His Thr Ile Thr Gln Ala Asp Val Asp
225          230          235          240
Ala Gly Arg Trp Thr Pro Ser Ile Thr Leu Thr Ala Thr Gly Thr Asp

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Lys	Val	Leu	Leu	Leu	Ser	His	Ser	Pro	Asn	Pro	Arg	Pro	Trp	Cys	Arg	
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